

Nexus

IFWO

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/698,808

DATE: 08/16/2004

TIME: 16:03:58

Input Set : N:\Crf4\Refhold\10_folder\J698808.raw
 Output Set: N:\CRF4\08162004\J698808.raw

1 <110> APPLICANT: Adeokun, Anthonia Monisola
 2 Ambrose, Helen
 3 Cresswell, Carl
 4 Dudley, Adam
 5 <120> TITLE OF INVENTION: Chemical Compounds
 6 <130> FILE REFERENCE: 06275-264002
 7 <140> CURRENT APPLICATION NUMBER: US/10/698,808
 8 <141> CURRENT FILING DATE: 2003-10-03
 9 <150> PRIOR APPLICATION NUMBER: US 09/925,731
 10 <151> PRIOR FILING DATE: 2001-08-10
 11 <150> PRIOR APPLICATION NUMBER: US 60/226,909
 12 <151> PRIOR FILING DATE: 2000-08-23
 13 <160> NUMBER OF SEQ ID NOS: 12
 14 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 16 <210> SEQ ID NO: 1
 17 <211> LENGTH: 2452
 18 <212> TYPE: DNA
 19 <213> ORGANISM: Homo sapiens
 20 <220> FEATURE:
 21 <221> NAME/KEY: CDS
 22 <222> LOCATION: (100)...(2172)
 23 <400> SEQUENCE: 1
 24 gtggacttgt tgcagttgtc gtaggattct aaatccaggt gattgttca aactgagcat 60
 25 caacaacaaa aacatttcta tgatatctat atttcaatc atg gac caa aat caa 114
 26 Met Asp Gln Asn Gln
 27 1 5
 28 cat ttg aat aaa aca gca gag gca caa cct tca gag aat aag aaa aca 162
 29 His Leu Asn Lys Thr Ala Glu Ala Gln Pro Ser Glu Asn Lys Thr
 30 10 15 20
 31 aga tac tgc aat gga ttg aag atg ttc ttg gca gct ctg tca ctc agc 210
 32 Arg Tyr Cys Asn Gly Leu Lys Met Phe Leu Ala Ala Leu Ser Leu Ser
 33 25 30 35
 34 ttt att gct aag aca cta ggt gca att att atg aaa agt tcc atc att 258
 35 Phe Ile Ala Lys Thr Leu Gly Ala Ile Ile Met Lys Ser Ser Ile Ile
 36 40 45 50
 37 cat ata gaa cgg aga ttt gag ata tcc tct tct gtt ggt ttt att 306
 38 His Ile Glu Arg Arg Phe Glu Ile Ser Ser Ser Leu Val Gly Phe Ile
 39 55 60 65
 40 gac gga agc ttt gaa att gga aat ttg ctt gtg att gta ttt gtg agt 354
 41 Asp Gly Ser Phe Glu Ile Gly Asn Leu Leu Val Ile Val Phe Val Ser
 42 70 75 80 85
 43 tac ttt gga tcc aaa cta cat aga cca aag tta att gga atc ggt tgt 402
 44 Tyr Phe Gly Ser Lys Leu His Arg Pro Lys Leu Ile Gly Ile Gly Cys



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45	90	95	100	
46	ttc att atg gga att gga ggt gtt ttg act gct ttg cca cat ttc ttc			450
47	Phe Ile Met Gly Ile Gly Gly Val Leu Thr Ala Leu Pro His Phe Phe			
48	105 110 115			
49	atg gga tat tac agg tat tct aaa gaa act aat atc aat tca tca gaa			498
50	Met Gly Tyr Tyr Arg Tyr Ser Lys Glu Thr Asn Ile Asn Ser Ser Glu			
51	120 125 130			
52	aat tca aca tcg acc tta tcc act tgt tta att aat caa att tta tca			546
53	Asn Ser Thr Ser Thr Leu Ser Thr Cys Leu Ile Asn Gln Ile Leu Ser			
54	135 140 145			
55	ctc aat aga gca tca cct gag ata gtg gga aaa ggt tgt tta aag gaa			594
56	Leu Asn Arg Ala Ser Pro Glu Ile Val Gly Lys Gly Cys Leu Lys Glu			
57	150 155 160 165			
58	tct ggg tca tac atg tgg ata tat gtg ttc atg ggt aat atg ctt cgt			642
59	Ser Gly Ser Tyr Met Trp Ile Tyr Val Phe Met Gly Asn Met Leu Arg			
60	170 175 180			
61	gga ata ggg gag act ccc ata gta cca ctg ggg ctt tct tac att gat			690
62	Gly Ile Gly Glu Thr Pro Ile Val Pro Leu Gly Leu Ser Tyr Ile Asp			
63	185 190 195			
64	gat ttc gct aaa gaa gga cat tct tct ttg tat tta ggt ata ttg aat			738
65	Asp Phe Ala Lys Glu Gly His Ser Ser Leu Tyr Leu Gly Ile Leu Asn			
66	200 205 210			
67	gca ata gca atg att ggt cca atc att ggc ttt acc ctg gga tct ctg			786
68	Ala Ile Ala Met Ile Gly Pro Ile Ile Gly Phe Thr Leu Gly Ser Leu			
69	215 220 225			
70	ttt tct aaa atg tac gtg gat att gga tat gta gat cta agc act atc			834
71	Phe Ser Lys Met Tyr Val Asp Ile Gly Tyr Val Asp Leu Ser Thr Ile			
72	230 235 240 245			
73	agg ata act cct act gat tct cga tgg gtt gga gct tgg tgg ctt aat			882
74	Arg Ile Thr Pro Thr Asp Ser Arg Trp Val Gly Ala Trp Trp Leu Asn			
75	250 255 260			
76	ttc ctt gtg tct gga cta ttc tcc att att tct tcc ata cca ttc ttt			930
77	Phe Leu Val Ser Gly Leu Phe Ser Ile Ile Ser Ser Ile Pro Phe Phe			
78	265 270 275			
79	ttc ttg ccc caa act cca aat aaa cca caa aaa gaa aga aaa gct tca			978
80	Phe Leu Pro Gln Thr Pro Asn Lys Pro Gln Lys Glu Arg Lys Ala Ser			
81	280 285 290			
82	ctg tct ttg cat gtg ctg gaa aca aat gat gaa aag gat caa aca gct			1026
83	Leu Ser Leu His Val Leu Glu Thr Asn Asp Glu Lys Asp Gln Thr Ala			
84	295 300 305			
85	aat ttg acc aat caa gga aaa aat att acc aaa aat gtg act ggt ttt			1074
86	Asn Leu Thr Asn Gln Gly Lys Asn Ile Thr Lys Asn Val Thr Gly Phe			
87	310 315 320 325			
88	ttc cag tct ttt aaa agc atc ctt act aat ccc ctg tat gtt atg ttt			1122
89	Phe Gln Ser Phe Lys Ser Ile Leu Thr Asn Pro Leu Tyr Val Met Phe			
90	330 335 340			
91	gtg ctt ttg acg ttg tta caa gta agc agc tat att ggt gct ttt act			1170
92	Val Leu Leu Thr Leu Leu Gln Val Ser Ser Tyr Ile Gly Ala Phe Thr			
93	345 350 355			

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94	tat gtc ttc aaa tac gta gag caa cag tat ggt cag cct tca tct aag	1218
95	Tyr Val Phe Lys Tyr Val Glu Gln Gln Tyr Gly Gln Pro Ser Ser Lys	
96	360 365 370	
97	gct aac atc tta ttg gga gtc ata acc ata cct att ttt gca agt gga	1266
98	Ala Asn Ile Leu Leu Gly Val Ile Thr Ile Pro Ile Phe Ala Ser Gly	
99	375 380 385	
100	atg ttt tta gga gga tat atc att aaa aaa ttc aaa ctg aac acc gtt	1314
101	Met Phe Leu Gly Gly Tyr Ile Ile Lys Lys Phe Lys Leu Asn Thr Val	
102	390 395 400 405	
103	gga att gcc aaa ttc tca tgt ttt act gct gtg atg tca ttg tcc ttt	1362
104	Gly Ile Ala Lys Phe Ser Cys Phe Thr Ala Val Met Ser Leu Ser Phe	
105	410 415 420	
106	tac cta tta tat ttt ttc ata ctc tgt gaa aac aaa tca gtt gcc gga	1410
107	Tyr Leu Leu Tyr Phe Phe Ile Leu Cys Glu Asn Lys Ser Val Ala Gly	
108	425 430 435	
109	cta acc atg acc tat gat gga aat aat cca gtg aca tct cat aga gat	1458
110	Leu Thr Met Thr Tyr Asp Gly Asn Asn Pro Val Thr Ser His Arg Asp	
111	440 445 450	
112	gta cca ctt tct tat tgc aac tca gac tgc aat tgt gat gaa agt caa	1506
113	Val Pro Leu Ser Tyr Cys Asn Ser Asp Cys Asn Cys Asp Glu Ser Gln	
114	455 460 465	
115	tgg gaa cca gtc tgt gga aac aat gga ata act tac atc tca ccc tgt	1554
116	Trp Glu Pro Val Cys Gly Asn Asn Gly Ile Thr Tyr Ile Ser Pro Cys	
117	470 475 480 485	
118	cta gca ggt tgc aaa tct tca agt ggc aat aaa aag cct ata gtg ttt	1602
119	Leu Ala Gly Cys Lys Ser Ser Gly Asn Lys Lys Pro Ile Val Phe	
120	490 495 500	
121	tac aac tgc agt tgt ttg gaa gta act ggt ctc cag aac aga aat tac	1650
122	Tyr Asn Cys Ser Cys Leu Glu Val Thr Gly Leu Gln Asn Arg Asn Tyr	
123	505 510 515	
124	tca gcc cat ttg ggt gaa tgc cca aga gat gat gct tgt aca agg aaa	1698
125	Ser Ala His Leu Gly Glu Cys Pro Arg Asp Asp Ala Cys Thr Arg Lys	
126	520 525 530	
127	ttt tac ttt ttt gtt gca ata caa gtc ttg aat tta ttt ttc tct gca	1746
128	Phe Tyr Phe Phe Val Ala Ile Gln Val Leu Asn Leu Phe Phe Ser Ala	
129	535 540 545	
130	ctt gga ggc acc tca cat gtc atg ctg att gtt aaa att gtt caa cct	1794
131	Leu Gly Gly Thr Ser His Val Met Leu Ile Val Lys Ile Val Gln Pro	
132	550 555 560 565	
133	gaa ttg aaa tca ctt gca ctg ggt ttc cac tca atg gtt ata cga gca	1842
134	Glu Leu Lys Ser Leu Ala Leu Gly Phe His Ser Met Val Ile Arg Ala	
135	570 575 580	
136	cta gga gga att cta gct cca ata tat ttt ggg gct ctg att gat aca	1890
137	Leu Gly Gly Ile Leu Ala Pro Ile Tyr Phe Gly Ala Leu Ile Asp Thr	
138	585 590 595	
139	acg tgt ata aag tgg tcc acc aac aac tgt ggc aca cgt ggg tca tgt	1938
140	Thr Cys Ile Lys Trp Ser Thr Asn Asn Cys Gly Thr Arg Gly Ser Cys	
141	600 605 610	
142	agg aca tat aat tcc aca tca ttt tca agg gtc tac ttg ggc ttct	1986

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143	Arg Thr Tyr Asn Ser Thr Ser Phe Ser Arg Val Tyr Leu Gly Leu Ser	
144	615 620 625	
145	tca atg tta aga gtc tca tca ctt gtt tta tat att ata tta att tat	2034
146	Ser Met Leu Arg Val Ser Ser Leu Val Leu Tyr Ile Ile Leu Ile Tyr	
147	630 635 640 645	
148	gcc atg aag aaa aaa tat caa gag aaa gat atc aat gca tca gaa aat	2082
149	Ala Met Lys Lys Tyr Gln Glu Lys Asp Ile Asn Ala Ser Glu Asn	
150	650 655 660	
151	gga agt gtc atg gat gaa gca aac tta gaa tcc tta aat aaa aat aaa	2130
152	Gly Ser Val Met Asp Glu Ala Asn Leu Glu Ser Leu Asn Lys Asn Lys	
153	665 670 675	
154	cat ttt gtc cct tct gct ggg gca gat agt gaa aca cat tgt	2172
155	His Phe Val Pro Ser Ala Gly Ala Asp Ser Glu Thr His Cys	
156	680 685 690	
157	taaggggaga aaaaaagcca cttctgccttc tgtgtttcca aacagcattt cattgattca	2232
158	gttaagatgtt attttgagg agttccttgtt cctttcaacttca agaatttcca catcttttat	2292
159	gggtggaaatgtt aataataagcc tatgaactta taataaaaaca aactgttaggt agaaaaaaatg	2352
160	agagtactca ttgtacatta tagctacata ttttgtggta aggttagact atatgatcca	2412
161	tacaaattaa agtgagagac atggttactg tgtaataaaaa	2452
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164 <211>	LENGTH: 691	
165 <212>	TYPE: PRT	
166 <213>	ORGANISM: Homo sapiens	
167 <400>	SEQUENCE: 2	
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170	Glu Asn Lys Lys Thr Arg Tyr Cys Asn Gly Leu Lys Met Phe Leu Ala	
171	20 25 30	
172	Ala Leu Ser Leu Ser Phe Ile Ala Lys Thr Leu Gly Ala Ile Ile Met	
173	35 40 45	
174	Lys Ser Ser Ile Ile His Ile Glu Arg Arg Phe Glu Ile Ser Ser Ser	
175	50 55 60	
176	Leu Val Gly Phe Ile Asp Gly Ser Phe Glu Ile Gly Asn Leu Leu Val	
177	65 70 75 80	
178	Ile Val Phe Val Ser Tyr Phe Gly Ser Lys Leu His Arg Pro Lys Leu	
179	85 90 95	
180	Ile Gly Ile Gly Cys Phe Ile Met Gly Ile Gly Gly Val Leu Thr Ala	
181	100 105 110	
182	Leu Pro His Phe Phe Met Gly Tyr Tyr Arg Tyr Ser Lys Glu Thr Asn	
183	115 120 125	
184	Ile Asn Ser Ser Glu Asn Ser Thr Ser Thr Leu Ser Thr Cys Leu Ile	
185	130 135 140	
186	Asn Gln Ile Leu Ser Leu Asn Arg Ala Ser Pro Glu Ile Val Gly Lys	
187	145 150 155 160	
188	Gly Cys Leu Lys Glu Ser Gly Ser Tyr Met Trp Ile Tyr Val Phe Met	
189	165 170 175	
190	Gly Asn Met Leu Arg Gly Ile Gly Glu Thr Pro Ile Val Pro Leu Gly	
191	180 185 190	
192	Leu Ser Tyr Ile Asp Asp Phe Ala Lys Glu Gly His Ser Ser Leu Tyr	

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193	195	200	205
194	Leu	Gly	Ile
195	Ile	Leu	Asn
196	Ala	Ile	Ala
197	Met	Ile	Gly
198	Gly	Pro	Ile
199	Trp	Ile	Ile
200	Trp	Ile	Gly
201	Leu	Asn	Phe
202	Ser	Leu	Ser
203	Thr	Phe	Arg
204	Ile	Leu	Ile
205	Arg	Thr	Arg
206	Ile	Pro	Thr
207	Asn	Phe	Asp
208	Leu	Phe	Leu
209	Pro	Gln	Pro
210	Gly	Thr	Asn
211	Asn	Leu	Asn
212	Leu	Thr	Gly
213	Gly	Asn	Leu
214	Leu	Leu	His
215	Asn	Val	Tyr
216	Ile	Asn	Asn
217	Leu	Ile	Asn
218	Thr	Leu	Asn
219	Val	Asn	Asn
220	Gly	Thr	Asn
221	Ile	Ala	Asn
222	Ala	Asn	Asn
223	Gly	Ile	Asn
224	Leu	Leu	Asn
225	Thr	Leu	Asn
226	Asn	Leu	Asn
227	Asn	Asn	Asn
228	Asn	Asn	Asn
229	Asn	Asn	Asn
230	Asn	Asn	Asn
231	Asn	Asn	Asn
232	Asn	Asn	Asn
233	Asn	Asn	Asn
234	Asn	Asn	Asn
235	Asn	Asn	Asn
236	Asn	Asn	Asn
237	Asn	Asn	Asn
238	Asn	Asn	Asn
239	Asn	Asn	Asn
240	Asn	Asn	Asn
241	Asn	Asn	Asn

VERIFICATION SUMMARY

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Input Set : N:\Crf4\Refholt\10_folder\J698808.raw

Output Set: N:\CRF4\08162004\J698808.raw